



INSTITUTE OF DESIGN, PLANNING AND TECHNOLOGY- SCET

IDPT - SCET

ARCHITECTURE - INTERIOR DESIGN - PLANNING - FINE ARTS

creating an enlightened society.



ANNEXURE – E (2)

List (Pool) of Topic / courses to be offered at various levels in all undergraduates programmes.

- (i) Multidisciplinary/Interdisciplinary (**Liberal Studies & Life Skills**)
- (ii) Skill Enhancement (Elective) Course (SEC) (**Professional Electives**)
- (iii) Common Value Added (Elective) Courses (VAC) (**Trans-disciplinary Open Electives**)

W.E.F. ACADEMIC YEAR 2025-2026

Applicable to Batch admitted in June-July 2025

Proposed and discussed in ACC Meeting held on 05/04/2025

Approved in BOS meeting dated 02/05/2025

Approved in Faculty of Architecture, Design, Planning and Technology dated 02/05/2025



ANNEXURE - E(2)

(i) Multidisciplinary/Interdisciplinary (Liberal Studies & Life Skills)

(Can be offered from Time to Time by the institute)

Semester	All Bachelor Programs
Semester 1 BFGN3101	<ul style="list-style-type: none">● Public speaking● Team building
Semester 2 BFGN3201	<ul style="list-style-type: none">● Maintenance & Repairing● Sociology
Semester 3 BFGN3301	<ul style="list-style-type: none">● Fundamental of Artificial Intelligence● Digital Literacy
Semester 4 BFGN3401	<ul style="list-style-type: none">● Voluntary Actions● Environmental Awareness
Semester5 BFGN3501	<ul style="list-style-type: none">● Artificial Intelligence & Human Behavior● Design Intelligence
Semester 6 BFGN3601	<ul style="list-style-type: none">● Art appreciation● Film appreciation
Additional potential topics can be offered time to time	<ul style="list-style-type: none">● Self exploration & Personality Building● Psychology● Social & Cultural Etiquettes

1. **Public Speaking:** This course would be an introduction to speech communication which emphasizes on the practical skill of public speaking, including techniques to lessen speaker anxiety, and critical skills to enhance speaker presentations. Its goal is to prepare students for success in typical public speaking situations and to provide them with the basic principles of organization and



research needed for effective speeches. This course should cover following aspects of public speaking.

- Plan and prepare speeches that inform, persuade, or fulfil the needs of a special occasion and juries.
- How to outline speeches in a logical and thorough fashion.
- Analysis of audience and design of speeches accordingly.
- Evaluate speeches based on a variety of verbal and non-verbal criteria;
- Understand and explain the communication process.

2. **Team Building:** Team building activities are essential for establishing a good work culture where students enjoy coming to work, collaborate easily and trust each other. Team building is the process of turning a group of students from diverse backgrounds into a cohesive team—a group of people organized to work together to accomplish their purpose and goals.
3. **Maintenance and Repairing:** Basic maintenance and repairing skills are necessary for safeguarding your general wellbeing. By inspecting your home and automobiles regularly, cleaning, and repairing it, you will have the assurance that you and your family is safe. Repair of all electrical issues such as malfunctioning electric appliances and exposed wiring. Performing regular maintenance and handling minor repairs as required will minimize the possibility of expensive repairs. Most appliances, objects of use need to be inspected regularly, cleaned, and changed. Emergency plumbing services are essential for effectively dealing with leaks to prevent flooding and structural damage. Repairs undertaken helps in emergency situations as well as in daily life when professional technical help is not available right away.
4. **Sociology:** Various aspects of our behaviour, perceptions, and belief systems are impacted by our society. Studying sociology is beneficial both for the individual and for society. By studying sociology students will learn how to think critically about social issues and problems that confront our society. The module will introduce the social dimension of architecture as an aspirational response to cultural and economic realities of a community.
5. **Fundamental of Artificial Intelligence**
This course offers an introductory understanding of Artificial Intelligence (AI), focusing on its core concepts, methods, and real-world applications. Students will explore how machines simulate human intelligence through learning, reasoning, and problem-solving. With an emphasis on creativity and critical thinking, the course also highlights how AI is transforming fields like art, design, communication, and everyday life.
6. **Digital Literacy:** This course equips students with essential digital skills to navigate, create, and communicate effectively in today's technology-driven world. It covers the responsible use of digital tools, internet safety, online collaboration, information evaluation, and basic media and content creation. Designed for students across disciplines, the course fosters confidence and critical awareness in using digital technologies for academic, personal, and professional growth.
7. **Voluntary Actions:** Volunteering is an essential part of preparing students to "take responsibility as open minded, principled citizens in a global community." While performing such voluntary actions/ services, students have the opportunity to see first-hand just how much their work can have an impact on the world. Students can opt for volunteer services locally at food shelves, animal shelters, in old age homes, differently abled children schools and even at orphanages. They get to interact with people who have vastly different backgrounds, and learn patience and empathy as they develop a global perspective. It will help them to become sensitive to less privileged sections of the community.



8. **Environmental Awareness:** Environmental awareness provides important opportunities for students to become engaged in real world issues that transcend classroom walls. They can see the relevance of their classroom studies to the complex environmental issues confronting our planet and they can acquire the skills they'll need to be creative problem solvers and powerful advocates. Environmental awareness is a process that allows individuals to explore environmental issues, engage in problem solving, and take action to improve the environment. As a result, individuals develop a deeper understanding of environmental issues and have the skills to make informed and responsible decisions.
9. **Artificial Intelligence & Human Behavior:** This course introduces students to the integration of Artificial Intelligence (AI) in architectural and design practices. With the evolving role of AI in creative and technical domains, the course emphasizes equipping students with essential skills in prompt engineering, AI-powered image creation, generative design, and real-time data analytics. Students will explore how AI tools can assist in conceptual design, rapid prototyping, spatial analysis, and sustainable decision-making processes. The focus will also include understanding the ethical implications and biases of algorithmic design processes. Through hands-on experimentation with AI platforms, students will learn how to formulate design prompts, refine outcomes, and harness AI's potential for innovative and efficient solutions in architecture and interior design. The course bridges the gap between traditional design methods and emerging digital practices, enabling students to evolve as adaptive, forward-thinking professionals. Interdisciplinary applications and case studies will help contextualize AI within real-world architectural challenges and opportunities.
10. **Design Intelligence:** This course introduces students to the smart thinking behind design. It explores how designers solve problems, make decisions, and create meaningful solutions by combining creativity with logic and research. Students will learn to understand user needs, think critically, and use design as a tool to improve everyday experiences. The course builds awareness of how design can shape the world around us in smart and thoughtful ways.
11. **Art Appreciation:** The purpose of Introduction to Art appreciation is to provide students with an understanding of the diverse ways in which cultures construct and represent their realities. Through thematic examination of both historical and contemporary art, students will acquire formal analysis skills to describe works of art and techniques of art production. Further building upon formal analysis, students will critically interpret and contextualize visual art forms. Through this course, students would learn how to understand art by analysing it from several points of view. Subjects and symbolism, historic and cultural context (the "what" of a work), materials and techniques, elements and design principles (the "how" of a work), all come into play. Considering the "whys" behind works of art, however, may further enrich their appreciation of art.
12. **Film Appreciation:** This course would provide an introduction to the narrative and stylistic techniques used in filmmaking in order to more fully understand how meaning is constructed, conveyed, and interpreted in film. In a participatory interactive format, students would critically explore thought-provoking films and the creative approaches behind them, actively engaging with each work and developing their informed perspective through sessions, facilitated discussion, readings, movie screening and activities, and online blogs. Students will also explore areas and aspects of film criticism like genre studies, mythic structures and some of landmark modern and postmodern examples of world cinema.
13. **Social & Cultural Etiquette:** Social and Cultural etiquette are the codes of behaviour that rule different cultures – in other words, what's acceptable and what isn't in a society. Etiquette is about kindness, it is about being friendly, it is about being polite, it is about integrity, it is about good manners. Social and Cultural etiquette would help students to know how to behave and conduct



themselves in different environments. Social and Cultural etiquette is not about being perfect, or being prim and proper, it's not about your social class, profession or how rich or well educated you are. Social and Cultural etiquette makes people comfortable and at ease, it shows that we value and respect others. Social and Cultural etiquette would promote kindness, consideration, and humility in students. Social and Cultural etiquette would give students the confidence to deal with different situations in life, it would give them life skills. Social and Cultural etiquette would enhance student's personality; it would help to eliminate discourteous behaviour. Social and Cultural etiquettes would help students to be sensitive to others feelings and rights. Having good manners is not just about 'please' and 'thank you'. It is about how one presents oneself, how one should behave, how one should speak, how one should treat others and most importantly how one should think.

14. **Self-Exploration & Personality Building:** The more you understand yourself and your motivations, the more informed and productive your life and career search process will be. Self-exploration is the first step. Start by reflecting on your interests, values, skills, and personality traits, as well as key experiences you've enjoyed. Research shows that people most satisfied in their careers are those who are working in jobs that closely align with these areas. Personality is a combination of qualities that form your distinctive character. These influence how you see, experience, and interact with the world. Personality development helps you develop an impressive personality and makes you stand apart from the rest. Personality development also plays an essential role in improving one's communication skills. Individuals ought to master the art of expressing their thoughts and feelings in the most desired way.
15. **Psychology:** The built environment has direct and indirect effects on human psychology. It has an impact on our senses, mood, emotions, motivations, judgments, decisions, health, and participation in physical activity and community life. Having a good built environment is important because it can give better performance, less distraction, and occupants comfort and satisfaction. With the majority of designed spaces being occupied by people, it can be assumed that a key indicator of the success of a design depends on how the space influences the human behaviour within that space. Studying Psychology enriches students by understanding human behaviour much better, with all its social interaction, language, communication, motivation, emotions, and decision making.



ANNEXURE - E(2)

(ii) Skill Enhancement (Elective) Course (SEC) (Professional Electives)

(Can be offered from Time to Time by the institute)

Semester	B.Arch	B.ID	B.VA
Semester 1 BFEL15101	Paper Mache	Print Making	Origami
Semester 2 BFEL15201	Model Making + Photography	Model Making + Photography	Traditional & contemporary craft <u>(IKS)</u>
Semester 3 BFEL15301	History of civilisation / art / style	History of civilisation / art / style	History of civilisation / art / style
Semester 4 BFEL15401	3D Printing	3D Animation	Film making & Visual effects
Semester 5 BFEL15501	Lighting Design & Illumination	Earthquake resistance architecture (non structural element)	Indian Textile, Dyeing & printing <u>(IKS)</u>
Semester 6 BFEL15601	Earthquake resistance architecture (structural element)	Advanced Building Services	Urban Art & Street Design (furniture / murals/ products)
Semester 7 BFEL15701	Universal Design		
Semester 8 BFEL15801		Interior Landscape	
Semester 9 BFEL15901	Architecture Conservation		



Semester 10 BFEL15001	Climate Change & Resilient		
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1. Paper Mache

Paper Mache is a composite material consisting of paper pieces or pulp, sometimes reinforced with textiles, bound with an adhesive, such as glue, starch, or wallpaper paste. As a craft form, it is found in many places in India with the two distinct areas being Kashmir and Orissa. Many things have been created with it. In the second part, students would learn various possibilities of usage of paper mache, as an eco-friendly material to create different products.

2. Print Making: Printmaking elective is designed to amplify a student's artistic interests and understanding of the process, and to support the development of a personal artistic vision. This elective spans both traditional and contemporary techniques including fluid art, etching, relief, lithography, monotype, screen, book arts, photo-processes, and digital printmaking. In this elective, visual representation would be emphasized, and all exercises focus on formal visual issues and resolving visual ideas. Through a coordinated sequence of exercises, students will synthesize their conceptual and technical skills with various mediums and study the application of various printmaking techniques.

3. Origami : Origami, from ori meaning "folding", and kami meaning "paper" (kami changes to gami due to rendaku)) is the art of paper folding, which is often associated with Japanese culture. Origami folders often use the Japanese word *kirigami* to refer to designs which use cuts. Main motive for proposing this elective is it engages students and enhances their skills -- including improved spatial perception and logical and sequential thinking. In a nutshell, Origami is good for design students as it develops –

- eye hand co-ordination,
- sequencing skills,
- maths reasoning
- spatial skills,
- memory, but also patience and attention skills
- mental concentration.

All of this combined stimulates the brain – especially when BOTH hands are being used at the same time.

4. Model Making & Photography: This course teaches students how to make architectural models, which are important for showing and explaining design ideas. Students will learn by doing, using different materials and tools to build models. They will create simple concept models as well as detailed models for presentations. The course includes both hand-making and using machines like laser cutters and 3D printers. It encourages creativity, trying new things, and building strong model-making skills. All design students could prosper by learning to see light and how light alters the visual impact of built forms. Just as drawing allows students to refine their vision and perspective teaches how we see, the camera allows for yet another discipline to organically create with form and light. This elective would teach students to create successful images of exterior architecture, interior architectural design, as well as architectural models. The student



would become a highly competent creative digital photographic image creator with accurate exposure, proper colour correction, and excellent printing output. They will successfully use specific digital tools for the architectural image to correct distortion and capture mixed lighting with multiple exposures. Students would also learn basic editing for post processing.

5. Traditional & Contemporary Crafts: The objective is to impart an all-round and holistic education that will also preserve their own cultural assets, traditions. This elective has been introduced to expose students to learn, practice, and evaluate traditional and contemporary craft techniques. As part of this elective, students will learn about traditional and contemporary crafts, and produce products that are both functional and decorative. Students will explore the tools and techniques used by local Gujarat cultures, especially folk arts and, tribal contemporary art practices. Students will gain a greater appreciation for craft objects and for the skill and craftsmanship required to produce a variety of crafts.

6. History of Civilization/art/style: In this elective course, History of Civilization/art/ styles the plan is to take a thematic approach to exploring the evolution of art across all ages, focusing on key themes such as identity, power, nature, gender, abstraction. Rather than following a traditional chronological structure, the focus is on delving into how different art movements and styles have addressed these themes, analyzing works from various periods and cultures. By examining the ways in which artists have represented and reinterpreted these themes over time, students of design will gain a deeper understanding of the cultural, social, and historical contexts that shape visual expression. This course will benefit art & design students by broadening their visual literacy, informing their creative decisions, and inspiring new perspectives on design problems, ultimately enabling them to create more nuanced, thoughtful, and effective designs.

7. 3D Printing: The 3D Printing course provides a comprehensive exploration of additive manufacturing technologies, processes, and applications. Through hands-on instruction and theoretical study, students learn about various 3D printing techniques. The course covers topics such as CAD modelling, material selection, and post-processing techniques. Students engage in practical projects to conceptualize, design, and fabricate 3D-printed prototypes and products. By fostering creativity, problem-solving, and technical skills, the course prepares students to leverage 3D printing technology across diverse industries, from product design and engineering to healthcare and architecture.

8. 3D Animation : Basic Animation is an elective course for traditional animation. This elective would provide students the fundamental skills to produce traditional animation and the knowledge of the principles of animation to be built upon in subsequent courses leading up to the Portfolio course. Students can also apply skills learned in this class in other areas including motion graphics, stop motion and computer generated animation. This elective is based around examination of concepts, characters and storyboards for basic animation production with major emphasis on creating movement and expression utilizing traditional or electronically generated image sequences. This elective would include design, storyboarding, stop-motion and character animation. Gives students a working knowledge of animation techniques necessary to design animation sequences.

9. Film making & Visual Effects: This elective course serves as an introduction to the art of film making and post-production. Students would be exposed to the theory and practice of various visual effects in order to gain a better understanding of how stories are constructed in the editing room. Through demonstrations



and hands-on experience, students learn advanced editing techniques. To further enhance projects, students would create small documentaries. Strong emphasis is placed on post-production techniques that improve the sound and image quality of the videos. Footage is provided for all exercises and projects. However, students are given the option to shoot new material for their final projects if desired.

10. Lighting Design & Illustration: Lighting design is an intersection of art and technology. The space being illuminated or lighted may be commercial or residential. Other fields of endeavour, such as design, also come into play. Of course, so do physics, engineering and the psychological and physiological effects of light. This elective is focused on all these aspects associated with lighting design. Architectural spaces are designed for a specific purpose, and are sometimes constructed through a specific theme to create such experiences. This elective course would cover following topics; Introduction: Quantitative vs Qualitative aspects of lighting design.

- Experiencing Architecture: Fundamentals and factors that shape spatial experiences ranging from emotion, memory, imagination, aesthetics, culture etc.
- Seeing Form-Space Relationships in developing lighting strategies.
- A primer to Place-Making through light in architecture.
- Light in Architecture – Conceptual proposal of lighting design for an architectural space using Perception Based Approach.

11. Earthquake resistance architecture (Non structural element): This elective course focuses on how non-structural elements—like partitions, ceilings, cladding, fixtures, and furniture—can be designed to reduce damage and improve safety during earthquakes. Students will learn basic earthquake behavior, risks from non-structural failures, and practical design strategies to make spaces safer. The course emphasizes awareness, planning, and detailing for resilient architecture, especially in earthquake-prone areas.

12. Indian Textile, Dyeing & Printing: Nature is an unequalled colour palette, which runs through the entire visible spectrum, from the green of the trees to the blue of the sky. In this elective course, in first part students will learn to dye fibres and fabrics with natural pigments. In this elective, student would start with dyeing skeins and other natural fibres, using plant pigments first, then soil and clays, flowers and, finally, indigo. Student would taught to prepare the fibres for dyeing, separate the samples and capture the information of each of these and other pigments. In second part, student would learn various composition possibilities of coloured textiles done in first part of this elective.

13. Earthquake resistance architecture (Structural element): This elective will provide introduction and guidelines for Earthquake Resistant design of buildings, Basic principles, concept and application in architectural design. The course will cover aspects of earthquake resistant architecture; the behaviour (Mode shapes) of building when excitation is developed due to earthquake, the IS Code provisions for earthquake resistant design of structures as per Indian Standard code of practice and introduction to topics like; Seismic Joints, Seismic Isolation , and Energy Dissipation Devices. Students will carry out an earthquake resistant architectural design with proper structural system and will calculate its preliminary Earthquake resistant capacity, with the help of software “RESIST”-designed for architects.

14. Advanced Building Services : This course introduces interior design students to advanced systems that support the comfort, safety, and functionality of interior spaces. It covers lighting design, HVAC (heating,



ventilation, and air conditioning), acoustics, plumbing, fire safety, and smart technologies. Emphasis is placed on integrating these services into interior design projects thoughtfully and efficiently. The course helps students make informed design decisions that enhance the user experience and meet technical requirements.

15. Urban Art & Street Design (Furniture/Murals/ Products): Every day we are impacted by visual communication: advertisements, sculptures, signage, graffiti, murals, and monuments. Sometimes used in explicitly political ways and other times operating more subtly. These images are crucial vehicles for public communication. Given that more and more people live in urban spaces, and the street has been a key mechanism for public communication, it is important to understand how public visual communication uses urban space to create a message, and to generate a sense of community. This elective course analyses various forms of urban art and graphics, to analyse how these various public art genres functions as a form of public communication about different models of community.

This elective examines the diversity of artists, materials and political impulses that drive street art and graffiti and its shift from an illicit subculture to a mainstream practice. Using examples from Indian cities and other key Asian and western cities such as New York, Rome and Berlin, the subject investigates how the meaning and impact of street art derive from spatial and social contexts and how street art can provide new ways of understanding a city, as well as broader debates about art, public space and urban development. Students undertaking this elective will develop skills in identifying, mapping and designing street art in Sarvajani University's Campus.

16. Universal Design: This elective would provide a detailed introduction to the Universal Design philosophy and a theoretical understanding of design tools and techniques. In a growing and aging society, where the need for sustainable (both social and environmental) design solutions is critical, Universal Design has been accepted globally as a means of meeting existing and future needs. More than a set of practical design rules or prescriptive design guidelines, Universal Design is a way of thinking, requiring the designer to consider the consequences of design, and placing the needs of all people at the very heart of the process.

The background will include an overview of the Seven Principles of Universal Design, the rationale for Universal Design will include social, economic, legislative and business cases. Recent advancements and developments taken from related fields (including ergonomics, usability engineering, user centred design, health and safety research, software engineering, etc.) will provide a more practical understanding of the evolving design approach.

17. Interior Landscape: This course explores the use of plants and natural elements in interior spaces to create healthy, aesthetic, and calming environments. Students will learn about indoor plant selection, placement, maintenance, and how to integrate greenery into design concepts. The course also covers the psychological and environmental benefits of interior landscaping, helping future designers bring nature into built spaces creatively and effectively.

18. Architecture Conservation: This elective is intended to sensitize students to the architecture of built heritage comprising historic buildings, areas, cities and cultural landscapes. It aims at training students in tackling conservation issues in planning level, interpreting history in a modern context, dealing with structural issues and documentation of cultural and historic heritage buildings. Aspirants learn how to



encounter and overcome the development issues while being tactful to social responsibilities, sustainability, and urban modernizations. The elective focuses on theoretical and practical aspects and Principles Techniques in an academic discipline such as the introduction of Conservation, Structural Conservation (Material & Techniques), Architectural History, Computer Application and Visual Communication, Structural Conservation Management.

19. Climate change & Resilient Cities: Climate change (CC) constitutes one of the most urgent issues of our time. It has worldwide implications -from the exacerbation of poverty, to the loss of environmental, political, economic and social security-. Climate change threatens both industrialized and less industrialized world regions. Vulnerable social groups in precarious positions bear the burden of phenomenon like: displacement, interethnic and social conflicts, alteration of food production patterns and livelihoods, and spread of diseases among others. This elective explores the vulnerability of urban populations making emphasis on context specific impacts in Indian context. This elective would use case studies based approach to analyze how climate change impacts different social groups in our cities, identifying adaptation and mitigation strategies being currently implemented



ANNEXURE “E(2)”

(iii) Common Value Added (Elective) Courses (VAC)

(Trans-disciplinary Open Electives)

(Can be offered from Time to Time by the institute)

Semester	Area	All Bachelor Programs
Semester 1 BFEL16102	Indian Performing Arts	<ul style="list-style-type: none"> Indian Folk Dance (Will be offered in June 2025) <u>(IKS)</u> Indian Classical Music <u>(IKS)</u> Indian Drama <u>(IKS)</u>
Semester 2 BFEL16202	Health Science	<ul style="list-style-type: none"> Indian Yoga Practices (Will be offered in June 2025) <u>(IKS)</u> Indian Medicine Practices / Ayurveda <u>(IKS)</u> Nursing and health care with life saving first aid Technique
Semester 3 BFEL16302	Financial Literacy	<ul style="list-style-type: none"> Banking , Finance , insurance & Taxation (Will be offered in June 2025) Basics of Accounting Basics of administration & management
Semester 4 BFEL16402	Indian Polity	<ul style="list-style-type: none"> Indian Constitution (Will be offered in June 2025) <u>(IKS)</u> Right to Information (Bhartiya Aachar Sanhita) <u>(IKS)</u> Basics of Law
Additional potential topics can be offered time to time		<ul style="list-style-type: none"> Early Indian Culture / Literature / mythology <u>(IKS)</u> Cyber security Branding & Marketing Artificial Intelligence in Design

